

ABSTRACT OF THE DISCLOSURE

A system for treating a vascular condition, including an inflation adaptor having a housing, a clamping device positioned within the housing, and a medial v-groove alignment block. The clamping device includes a jaw and an anvil. An extended portion of a valve stem and a hollow guidewire are received in the medial v-groove alignment block. The extended valve stem and hollow guidewire are engaged by the clamping device to allow the extended valve stem and the hollow guidewire to be axially translated relative to each other to control a flow of an inflation fluid through the hollow guidewire when the clamping device is in a clamped position. A method of operation is also disclosed.